

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (CURRENTLY AMENDED) A seed of corn inbred line designated W23129, wherein a representative sample of seed of said line was deposited under ATCC Accession No. _____ No. PTA-7256.

2. (PREVIOUSLY PRESENTED) A corn plant, or a part thereof, produced by growing the seed of claim 1.

3. (ORIGINAL) Pollen of the plant of claim 2.

4. (ORIGINAL) An ovule of the plant of claim 2.

5. (PREVIOUSLY PRESENTED) A method of producing a male sterile corn plant comprising crossing the corn plant of claim 2 with a corn plant containing and expressing a nucleic acid molecule that confers male sterility and harvesting the resultant seed.

6. (ORIGINAL) A tissue culture of regenerable cells from the corn plant of claim 2.

7. (PREVIOUSLY PRESENTED) The tissue culture according to claim 6, wherein said regenerable cells of the tissue culture are produced from a plant part selected from the group consisting of leaves, pollen, embryos, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.

8. (CURRENTLY AMENDED) A corn plant regenerated from the tissue culture of claim 6, wherein the regenerated plant has all of the morphological and physiological characteristics of inbred corn line W23129, a representative sample of seed of said inbred corn line having been deposited under ATCC Accession No. _____ No. PTA-7256.

9. (ORIGINAL) A method for producing a hybrid corn seed comprising crossing a first inbred parent corn plant with a second inbred parent corn plant and harvesting the resultant hybrid corn seed, wherein said first inbred parent corn plant or second said parent corn plant is the corn plant of claim 2.

10. - 17. (CANCELED)

18. (PREVIOUSLY PRESENTED) A method for producing a corn plant that contains in its genetic material a transgene, comprising crossing the corn plant of claim 2 with either a second plant of another corn line which contains a transgene, or a transformed corn plant of inbred corn line W23129 which contains a transgene, so that the genetic material of the progeny that result from the cross contains a transgene operably linked to a regulatory element.

19. – 21. (CANCELED)

22. (PREVIOUSLY PRESENTED) A male sterile corn plant produced by the method of claim 5.

23. (PREVIOUSLY PRESENTED) A protoplast produced from the tissue culture of claim 6.

24. (PREVIOUSLY PRESENTED) A method of producing an herbicide resistant corn plant comprising transforming the corn plant of claim 2 with a transgene which confers resistance to an herbicide selected from the group consisting of imidazolinone, sulfonylurea, glyphosate, glufosinate, L-phosphinothricin, triazine, and benzonitrile.

25. (PREVIOUSLY PRESENTED) An herbicide resistant corn plant produced by the method of claim 24.

26. (PREVIOUSLY PRESENTED) A method of producing an insect resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers insect resistance.

27. (PREVIOUSLY PRESENTED) An insect resistant corn plant produced by the method of claim 26.

28. (CURRENTLY AMENDED) ~~The corn~~ A corn plant produced by the method of claim 26, wherein the transgene encodes a *Bacillus thuringiensis* endotoxin.

29. (PREVIOUSLY PRESENTED) A method of producing a disease resistant corn plant comprising transforming the corn plant of claim 2 with a transgene that confers disease resistance.

30. (PREVIOUSLY PRESENTED) A disease resistant corn plant produced by the method of claim 29.

31. (PREVIOUSLY PRESENTED) A method of producing a corn plant with modified fatty acid metabolism or modified carbohydrate metabolism comprising transforming the corn plant of claim 2 with a transgene expressing a protein selected from the group consisting of phytase, fructosyltransferase, levansucrase, α -amylase, invertase, and starch branching enzyme or encoding an antisense of stearyl-ACP desaturase.

32. (PREVIOUSLY PRESENTED) A corn plant having modified fatty acid metabolism or modified carbohydrate metabolism produced by the method of claim 31.